

## DIGITAL VIDEO BROADCAST DEVICE DECODER

### ABSTRACT OF THE DISCLOSURE

A digital video broadcast (DVB) device decoder as part of a digital residential entertainment system (DRES) is disclosed. A media server, such as a broadband multimedia gateway (BMG), sends an entire transport layer, rather than a single program stream, over a Network Bus to a digital video broadcast (DVB) device decoder. The transport layer includes multiple program, data and information streams. For example, the transport layer may include multiple MPEG signals, such as MPEG-2 signals. The media server provides the DVB tuning function with integrated Personal Video Recording (PVR) functionality. The DVB device decoder provides decrypting, demultiplexing, decoding and digital-to-analog conversion. The complexity of the media server is minimized because it only has to decode a transport layer rather than decoding a single stream of data. The combination of entertainment video and data streams on the same transport is also optimized for the purpose of providing enhanced multimedia services.

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